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(54) **GARMENT HAVING SEAM-LESS ELASTIC BAND, AND SYSTEM AND METHOD FOR PRODUCING SUCH GARMENT**

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ABSTRACT

Garment having seam-less elastic band or synthetic band, and system and method for producing such garment. A method of producing a seam-less elastic band (105) comprises: providing an un-folded elongated elastic strip (101); folding at the elongated elastic strip (101) at a folding point (102) to create a first strip portion (102-103) overlapping on top of a second strip portion (103-104) of the elongated elastic strip (101), wherein the first strip portion (102-103) and the second strip portion (103-104) meet at a meeting point (104); performing an ultrasonic operation at the meeting point (104) on said first and second strip portion to create the seam-less elastic band (105) detached from a remainder of the elongated elastic band (101). The ultrasonic operations comprise one or more operations, ultrasonic cutting, ultrasonic welding, ultrasonic bonding, or other suitable ultrasonic operations.

